GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: August 16, 2005, 17:57:16 ; Search time 720 Seconds
(without alignments)
7812.799 Million cell updates/sec

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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 7305758 seqs, 3244068913 residues

Total number of hits satisfying chosen parameters: 14611516

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	848.6	97.9	2426	16	US-10-359-935-3	Sequence 3, Appli
4	333	38.4	981	10	US-09-895-606-5	Sequence 5, Appli
5	163	18.8	545	17	US-10-388-360-384	Sequence 384, App
6	163	18.8	545	21	US-10-831-266-2	Sequence 2, Appli
7	163	18.8	545	21	US-10-831-267-2	Sequence 2, Appli
8	110.8	12.8	340449	11	US-09-903-582-3	Sequence 3, Appli
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c 12	108.6	12.5	76698	21	US-10-936-273-30	Sequence 30, Appl
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c 14	107.6	12.4	52899	17	US-10-085-117-148	Sequence 148, App
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c 35	104.4	12.0	76410	13	US-10-087-192-70	Sequence 70, Appl
c 36	104.4	12.0	115935	19	US-10-775-169-241	Sequence 241, App
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c 39	104.4	12.0	301692	17	US-10-428-487-11	Sequence 11, Appl
c 40	104.4	12.0	310268	19	US-10-367-094-195	Sequence 195, App
41	104.4	12.0	493999	20	US-10-719-993-6787	Sequence 6787, Ap
c 42	104	12.0	32134	10	US-09-764-891-6303	Sequence 6303, Ap
c 43	104	12.0	32134	15	US-10-205-428-608	Sequence 608, App
c 44	104	12.0	32191	10	US-09-764-891-6304	Sequence 6304, Ap
c 45	104	12.0	32191	15	US-10-205-428-609	Sequence 609, App

ALIGNMENTS

RESULT 1
US-09-057-351-3
; Sequence 3, Application US/09057351
; Patent No. US20010034439A1
; GENERAL INFORMATION:
; APPLICANT: Villeponteau, Bryant
; APPLICANT: Feng, Junli
; APPLICANT: Funk, Walter
; APPLICANT: Andrews, William H.
; TITLE OF INVENTION: Mammalian Telomerase
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/057,351
; FILING DATE: 08-APR-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/272,102
; FILING DATE: 07-JUL-1994

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;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/330,123
;      FILING DATE:  27-OCT-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/472,802
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Storella, John R.
;      REGISTRATION NUMBER:  32,944
;      REFERENCE/DOCKET NUMBER:  015389-000821US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2426 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-09-057-351-3

  Query Match             97.9%;  Score 848.6;  DB 9;  Length 2426;
  Best Local Similarity   99.4%;  Pred. No. 2.6e-253;
  Matches  862;  Conservative    0;  Mismatches    4;  Indels    1;  Gaps    1;

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RESULT 2
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; Sequence 2, Application US/10206447
; Publication No. US20030099616A1
; GENERAL INFORMATION:
;  APPLICANT: Geron Corporation
;  APPLICANT:  Irving, John
;  APPLICANT:  Karpf, David
;  APPLICANT:  Schiff, Michael
;  TITLE OF INVENTION: DUAL SPECIFICITY TUMOR KILLING VECTORS DRIVEN BY THE TELOMERASE PI
;  FILE REFERENCE: 085/002
;  CURRENT APPLICATION NUMBER: US/10/206,447
;  CURRENT FILING DATE:  2002-07-25
;  PRIOR APPLICATION NUMBER: 60/308,029
;  PRIOR FILING DATE: 2001-07-25
;  NUMBER OF SEQ ID NOS: 2
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
;   LENGTH: 2426
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-206-447-2

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  Matches  862;  Conservative    0;  Mismatches    4;  Indels    1;  Gaps    1;

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Db       1261 TAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATGGCCGGAA 1320

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Db       1501 TGTCTAACCCTAACTGAGAAGGGCGTA 1527


RESULT 3
US-10-359-935-3
; Sequence 3, Application US/10359935
; Publication No. US20030153076A1
;   GENERAL INFORMATION:
;        APPLICANT: Villeponteau, Bryant
;                   Feng, Junli
;                   Funk, Walter
;                   Andrews, William H.
;        TITLE OF INVENTION: Mammalian Telomerase
;        NUMBER OF SEQUENCES: 42
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Townsend and Townsend and Crew LLP
;             STREET: Two Embarcadero Center, Eighth Floor
;             CITY: San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94111-3834
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/359,935
;             FILING DATE: 07-Feb-2003
;             CLASSIFICATION: 435
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/09/057,351
;             FILING DATE: 08-APR-1994
;             APPLICATION NUMBER: US 08/272,102
;             FILING DATE: 07-JUL-1994
;             APPLICATION NUMBER: US 08/330,123
;             FILING DATE: 27-OCT-1994
;             APPLICATION NUMBER: US 08/472,802
;             FILING DATE: 07-JUN-1995
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Storella, John R.
;             REGISTRATION NUMBER: 32,944
;             REFERENCE/DOCKET NUMBER: 015389-000821US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 3:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 2426 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA (genomic)
;        SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-359-935-3

  Query Match           97.9%;  Score 848.6;  DB 16;  Length 2426;
  Best Local Similarity   99.4%;  Pred. No. 2.6e-253;
  Matches  862;  Conservative    0;  Mismatches    4;  Indels    1;  Gaps    1;

Qy          1 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGAGGCAGAGGTTGCAGTG 60
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Db        662 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGA-GCAGAGGTTGCAGTG 720

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Db        841 CAGCACTACTTTAAAGCAAAGTCAATGATTGAAACGCCTTTCTTTCCTAATAAAAGGGAG 900

Qy        241 ATTCAGTCCTTAAGATTAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA 300
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              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1081 AGTTCTCCAAAAAATGTGATGATCAAAACTAGGAATTAGTGTTCTGTGTCTTAGGCCCTA 1140

Qy        481 AAATCTTCCTGTGAATTCCATTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGA 540
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1141 AAATCTTCCTGTGAATTCCATTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGA 1200

Qy        541 GGATAGAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGGTCGGAAG 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1201 GGATAGAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGGTCGGAAG 1260

Qy        601 TAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATGGCCGGAA 660
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1261 TAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATGGCCGGAA 1320

Qy        661 ATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTCTCACGAG 720
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1321 ATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTCTCACGAG 1380

Qy        721 AGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTATAAGCCGA 780
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1381 AGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTATAAGCCGA 1440

Qy        781 CTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTT 840
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1441 CTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTT 1500

Qy        841 TGTCTAACCCTAACTGAGAAGGGCGTA 867
              |||||||||||||||||||||||||||
Db       1501 TGTCTAACCCTAACTGAGAAGGGCGTA 1527
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RESULT 4
US-09-895-606-5
; Sequence 5, Application US/09895606
; Publication No. US20030207404A1
;   GENERAL INFORMATION:
;        APPLICANT: Villeponteau, Bryant
;                   Feng, Junli
;                   Andrews, William H.
;                   Adams, Robert R.
;        TITLE OF INVENTION: Methods and Reagents for Regulating
;                            Telomere Length and Telomerase Activity
;        NUMBER OF SEQUENCES: 26
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Townsend and Townsend and Crew LLP
;             STREET: Two Embarcadero Center, Eighth Floor
;             CITY: San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94111-3834
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/895,606
;             FILING DATE: 29-Jun-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/710,249
;             FILING DATE: <Unknown>
;             APPLICATION NUMBER: US 60/003,492
;             FILING DATE: 08-SEP-1995
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Storella, John R.
;             REGISTRATION NUMBER: 32,944
;             REFERENCE/DOCKET NUMBER: 015389-001220US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 5:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 981 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA (genomic)
;        FEATURE:
;             NAME/KEY:  misc_RNA
;             LOCATION:  267..715
;             OTHER INFORMATION:  /product= "hTR"
;             /note= "hTR transcript serves as
;             template in the telomerase
;             ribonucleoprotein"
;        SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-895-606-5

  Query Match             38.4%;  Score 333;  DB 10;  Length 981;
  Best Local Similarity   99.7%;  Pred. No. 1.1e-92;
  Matches  333;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        534 CTGCAGAGGATAGAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGG 593
              |||||||||||||||||| ||||||||||||||||||||||||||||||||||||||||
Db          1 CTGCAGAGGATAGAAAAAAGNCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGG 60

Qy        594 TCGGAAGTAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATG 653
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 TCGGAAGTAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATG 120

Qy        654 GCCGGAAATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTC 713
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 GCCGGAAATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTC 180

Qy        714 TCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTAT 773
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 TCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTAT 240

Qy        774 AAGCCGACTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGC 833
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 AAGCCGACTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGC 300

Qy        834 CATTTTTTGTCTAACCCTAACTGAGAAGGGCGTA 867
              |||||||||||||||||||||||||||||||||
Db        301 CATTTTTTGTCTAACCCTAACTGAGAAGGGCGTA 334


RESULT 5
US-10-388-360-384
; Sequence 384, Application US/10388360
; Publication No. US20030225528A1
; GENERAL INFORMATION:
;  APPLICANT: GENOMIC HEALTH
;  APPLICANT:  Baker, Joffre B.
;  APPLICANT:  Cronin, Maureen T.
;  APPLICANT:  Kiefer, Michael C.
;  APPLICANT:  Shak, Steve
;  APPLICANT:  Walker, Michael Graham
;  TITLE OF INVENTION: GENE EXPRESSION PROFILING IN BIOPSIED TUMOR TISSUES
;  FILE REFERENCE: 39740-0001US
;  CURRENT APPLICATION NUMBER: US/10/388,360
;  CURRENT FILING DATE:  2003-03-12
;  PRIOR APPLICATION NUMBER: US 60/412,049
;  PRIOR FILING DATE: 2002-09-18
;  PRIOR APPLICATION NUMBER: US 60/364,890
;  PRIOR FILING DATE: 2002-03-13
;  NUMBER OF SEQ ID NOS: 384
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 384
;   LENGTH: 545
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-388-360-384

  Query Match             18.8%;  Score 163;  DB 17;  Length 545;
  Best Local Similarity   100.0%;  Pred. No. 8.1e-40;
  Matches  163;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        705 GAGTGACTCTCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGC 764
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 GAGTGACTCTCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGC 60

Qy        765 TCCCTTTATAAGCCGACTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGG 824
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 TCCCTTTATAAGCCGACTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGG 120

Qy        825 GGTGGTGGCCATTTTTTGTCTAACCCTAACTGAGAAGGGCGTA 867
              |||||||||||||||||||||||||||||||||||||||||||
Db        121 GGTGGTGGCCATTTTTTGTCTAACCCTAACTGAGAAGGGCGTA 163


RESULT 6
US-10-831-266-2
; Sequence 2, Application US/10831266
; Publication No. US20050003404A1
; GENERAL INFORMATION:
;  APPLICANT: Rowley, Peter T.
;  TITLE OF INVENTION: TELOMERASE INTERFERENCE
;  FILE REFERENCE: A-71506-1/RFT/THR
;  CURRENT APPLICATION NUMBER: US/10/831,266
;  CURRENT FILING DATE:  2004-04-22
;  PRIOR APPLICATION NUMBER: PCT/US 02/33065
;  PRIOR FILING DATE: 2002-10-16
;  PRIOR APPLICATION NUMBER: US 60/345,326
;  PRIOR FILING DATE: 2001-10-22
;  PRIOR APPLICATION NUMBER: US 60/359,196
```

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;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 60/383,195
;  PRIOR FILING DATE: 2002-05-22
;  NUMBER OF SEQ ID NOS: 17
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
;   LENGTH: 545
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-831-266-2

  Query Match            18.8%;  Score 163;  DB 21;  Length 545;
  Best Local Similarity  100.0%;  Pred. No. 8.1e-40;
  Matches  163;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        705 GAGTGACTCTCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGC 764
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 GAGTGACTCTCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGC 60

Qy        765 TCCCTTTATAAGCCGACTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGG 824
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 TCCCTTTATAAGCCGACTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGG 120

Qy        825 GGTGGTGGCCATTTTTTGTCTAACCCTAACTGAGAAGGGCGTA 867
              |||||||||||||||||||||||||||||||||||||||||||
Db        121 GGTGGTGGCCATTTTTTGTCTAACCCTAACTGAGAAGGGCGTA 163


RESULT 7
US-10-831-267-2
; Sequence 2, Application US/10831267
; Publication No. US20050009177A1
; GENERAL INFORMATION:
;  APPLICANT: Rowley, Peter T.
;  TITLE OF INVENTION: TELOMERASE INTERFERENCE
;  FILE REFERENCE: A-71506-2/RFT/THR
;  CURRENT APPLICATION NUMBER: US/10/831,267
;  CURRENT FILING DATE:  2004-04-22
;  PRIOR APPLICATION NUMBER: PCT/US 02/33146
;  PRIOR FILING DATE: 2002-10-16
;  PRIOR APPLICATION NUMBER: US 60/345,326
;  PRIOR FILING DATE: 2001-10-22
;  PRIOR APPLICATION NUMBER: US 60/359,196
;  PRIOR FILING DATE: 2002-02-20
;  PRIOR APPLICATION NUMBER: US 60/383,195
;  PRIOR FILING DATE: 2002-05-22
;  NUMBER OF SEQ ID NOS: 23
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
;   LENGTH: 545
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-831-267-2

  Query Match            18.8%;  Score 163;  DB 21;  Length 545;
  Best Local Similarity  100.0%;  Pred. No. 8.1e-40;
  Matches  163;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        705 GAGTGACTCTCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGC 764
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 GAGTGACTCTCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGC 60

Qy        765 TCCCTTTATAAGCCGACTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGG 824
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 TCCCTTTATAAGCCGACTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGG 120

Qy        825 GGTGGTGGCCATTTTTTGTCTAACCCTAACTGAGAAGGGCGTA 867
              |||||||||||||||||||||||||||||||||||||||||||
Db        121 GGTGGTGGCCATTTTTTGTCTAACCCTAACTGAGAAGGGCGTA 163


RESULT 8
US-09-903-582-3
; Sequence 3, Application US/09903582
; Publication No. US20050075283A1
; GENERAL INFORMATION:
;  APPLICANT: HU, Song et al.
;  TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
;  TITLE OF INVENTION:  NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
;  TITLE OF INVENTION:  USES THEREOF
;  FILE REFERENCE: CL001274
;  CURRENT APPLICATION NUMBER: US/09/903,582
;  CURRENT FILING DATE:  2001-07-13
;  NUMBER OF SEQ ID NOS: 4
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
;   LENGTH: 340449
;   TYPE: DNA
;   ORGANISM: Human
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(340449)
;   OTHER INFORMATION: n = A,T,C or G
US-09-903-582-3

  Query Match            12.8%;  Score 110.8;  DB 11;  Length 340449;
  Best Local Similarity  90.8%;  Pred. No. 5.1e-22;
  Matches  118;  Conservative    0;  Mismatches   12;  Indels    0;  Gaps    0;

Qy          1 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGAGGCAGAGGTTGCAGTG 60
              |||||||||||||||||| || ||||||||||||||| ||||||||||||||||||||||
Db     249884 AGCTACTCAGGAGGCTGAGGCATGAGAATCGCTTGAATCCGGGAGGCAGAGGTTGCAGTG 249943

Qy         61 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 120
              | | |||||| ||||||| |||||||||||||||||||| ||||  |||||||| ||||
Db     249944 AACTGAGATCGCGCCACTGCACTCCATCCAGCCTGGGCGACAGAGTGAGACTCCGCCTCA 250003

Qy        121 AAAAAAAAAA 130
              ||||||||||
Db     250004 AAAAAAAAAA 250013


RESULT 9
US-10-161-510-1/c
; Sequence 1, Application US/10161510
; Publication No. US20020192695A1
; GENERAL INFORMATION:
;  APPLICANT: EXELIXIS, INC.
;  TITLE OF INVENTION: PIBs AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
;  FILE REFERENCE: EX02-074C
;  CURRENT APPLICATION NUMBER: US/10/161,510
;  CURRENT FILING DATE:  2002-06-03
;  PRIOR APPLICATION NUMBER: US 60/296,076
;  PRIOR FILING DATE: 2001-06-05
;  PRIOR APPLICATION NUMBER: US 60/328,605
;  PRIOR FILING DATE: 2001-10-10
;  PRIOR APPLICATION NUMBER: US 60/357,253
;  PRIOR FILING DATE: 2002-02-15
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
;   LENGTH: 133893
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-161-510-1

  Query Match            12.6%;  Score 109.2;  DB 13;  Length 133893;
  Best Local Similarity  90.0%;  Pred. No. 9.7e-22;
  Matches  117;  Conservative    0;  Mismatches   13;  Indels    0;  Gaps    0;

Qy          1 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGAGGCAGAGGTTGCAGTG 60
              |||||||| |||||||||| || |||||| || ||||||||||||||| ||| ||||||||
Db      63711 AGCTACTCGGGAGGCTGAGGCAGGAGAATGGCGTGAACCCGGGAGGCGGAGCTTGCAGTG 63652

Qy         61 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 120
              |||||||||||||||||  |||||||||||| |||| || |||||. ||||||||||||||
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Db      63651 AGCCGAGATCACGCCACTGCACTCCATCCAGCATGGGTGACAGAGCGAGACTCCGTCTCA 63592

Qy        121 AAAAAAAAAA 130
              ||||||||||
Db      63591 AAAAAAAAAA 63582


RESULT 10
US-10-741-601-25989/c
; Sequence 25989, Application US/10741601
; Publication No. US20040166519A1
; GENERAL INFORMATION:
;  APPLICANT: CARGILL, Michele et al.
;  TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
;  TITLE OF INVENTION:  STENOSIS, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001500
;  CURRENT APPLICATION NUMBER: US/10/741,601
;  CURRENT FILING DATE:  2003-12-22
;  NUMBER OF SEQ ID NOS: 26415
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 25989
;   LENGTH: 201
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-741-601-25989

  Query Match             12.5%;  Score 108.8;  DB 19;  Length 201;
  Best Local Similarity   89.2%;  Pred. No. 3.8e-23;
  Matches  116;  Conservative    1;  Mismatches   13;  Indels    0;  Gaps    0;

Qy          1 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGAGGCAGAGGTTGCAGTG 60
              |||||||| |||||||||| || ||||||| |: ||||||||||||||| ||| ||||||||
Db        132 AGCTACTCGGGAGGCTGAGGCAGGAGAATGGSGTGAACCCGGGAGGCGGAGCTTGCAGTG 73

Qy         61 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 120
              |||||||||||||||||  |||||||||||| |||| || ||||| ||||||||||||||
Db         72 AGCCGAGATCACGCCACTGCACTCCATCCAGCATGGGTGACAGAGCGAGACTCCGTCTCA 13

Qy        121 AAAAAAAAAA 130
              ||||||||||
Db         12 AAAAAAAAAA 3


RESULT 11
US-10-741-601-5777/c
; Sequence 5777, Application US/10741601
; Publication No. US20040166519A1
; GENERAL INFORMATION:
;  APPLICANT: CARGILL, Michele et al.
;  TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
;  TITLE OF INVENTION:  STENOSIS, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001500
;  CURRENT APPLICATION NUMBER: US/10/741,601
;  CURRENT FILING DATE:  2003-12-22
;  NUMBER OF SEQ ID NOS: 26415
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5777
;   LENGTH: 27240
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-741-601-5777

  Query Match             12.5%;  Score 108.8;  DB 19;  Length 27240;
  Best Local Similarity   89.2%;  Pred. No. 5.5e-22;
  Matches  116;  Conservative    1;  Mismatches   13;  Indels    0;  Gaps    0;

Qy          1 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGAGGCAGAGGTTGCAGTG 60
              |||||||| |||||||||| || ||||||| |: ||||||||||||||| ||| ||||||||
Db      11618 AGCTACTCGGGAGGCTGAGGCAGGAGAATGGSGTGAACCCGGGAGGCGGAGCTTGCAGTG 11559

Qy         61 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 120
              |||||||||||||||||  |||||||||||| |||| || ||||| ||||||||||||||
Db      11558 AGCCGAGATCACGCCACTGCACTCCATCCAGCATGGGTGACAGAGCGAGACTCCGTCTCA 11499

Qy        121 AAAAAAAAAA 130
              ||||||||||
Db      11498 AAAAAAAAAA 11489


RESULT 12
US-10-936-273-30/c
; Sequence 30, Application US/10936273
; Publication No. US20050074801A1
; GENERAL INFORMATION:
;  APPLICANT: Monia, Brett P.
;  APPLICANT:  Butler, Madeline M.
;  APPLICANT:  McKay, Robert
;  APPLICANT:  Baker, Brenda F.
;  TITLE OF INVENTION: CHIMERIC OLIGOMERIC COMPOUNDS COMPRISING ALTERNATING REGIONS OF NO
;  TITLE OF INVENTION:  AND SOUTHERN CONFORMATIONAL GEOMETRY
;  FILE REFERENCE: ISIS0104-100 (CORE0026US)
;  CURRENT APPLICATION NUMBER: US/10/936,273
;  CURRENT FILING DATE:  2004-09-08
;  NUMBER OF SEQ ID NOS: 221
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 30
;   LENGTH: 76698
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 15311-15410
;   OTHER INFORMATION: n = A,T,C or G
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 15414
;   OTHER INFORMATION: n = A,T,C or G
US-10-936-273-30

  Query Match             12.5%;  Score 108.6;  DB 21;  Length 76698;
  Best Local Similarity   81.3%;  Pred. No. 1.1e-21;
  Matches  126;  Conservative    0;  Mismatches   29;  Indels    0;  Gaps    0;

Qy          1 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGAGGCAGAGGTTGCAGTG 60
              |||||||||||||||||| || |||||| || ||||||| |||||| ||| ||||||||
Db      15588 AGCTACTCAGGAGGCTGAGGCAGGAGAATGGCATGAACCCAGGAGGCGGAGCTTGCAGTG 15529

Qy         61 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 120
              |||||||||| ||||||  |||||| |||||||||||||| ||||| |||||| ||||||
Db      15528 AGCCGAGATCATGCCACTGCACTCCAACCAGCCTGGGCGACAGAGCGAGACTCTGTCTCA 15469

Qy        121 AAAAAAAAAATCGTTACAATTTATGGTGGATTACT 155
              ||||||||||     | ||   | |  || | | |
Db      15468 AAAAAAAAAAAAAAAAAAAAAAGAGGCAGGCTAAGT 15434


RESULT 13
US-10-948-947A-1/c
; Sequence 1, Application US/10948947A
; Publication No. US20050130924A1
; GENERAL INFORMATION:
;  APPLICANT: Monia, Brett P.
;  APPLICANT:  Freier, Susan M.
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Gaarde, William A.
;  APPLICANT:  Griffey, Richard H.
;  APPLICANT:  Swayze, Eric E.
;  APPLICANT:  Bennett, C. Frank
;  TITLE OF INVENTION: ANTISENSE INHIBITION VIA RNASE H-INDEPENDENT REDUCTION IN mRNA
;  FILE REFERENCE: ISPH-0871
;  CURRENT APPLICATION NUMBER: US/10/948,947A
;  CURRENT FILING DATE:  2004-09-24
;  PRIOR APPLICATION NUMBER: 60/392,020
;  PRIOR FILING DATE: 2002-06-26
;  PRIOR APPLICATION NUMBER: 10/461,163
;  PRIOR FILING DATE: 2003-06-13
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;  NUMBER OF SEQ ID NOS: 115
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
;   LENGTH: 76698
;   TYPE: DNA
;   ORGANISM: H. sapiens
;   FEATURE:
;   OTHER INFORMATION: antisense oligonucleotide
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 15311-15410
;   OTHER INFORMATION: n = A,T,C or G
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 15414
;   OTHER INFORMATION: n = A,T,C or G
US-10-948-947A-1

  Query Match             12.5%;  Score 108.6;  DB 22;  Length 76698;
  Best Local Similarity   81.3%;  Pred. No. 1.1e-21;
  Matches  126;  Conservative    0;  Mismatches   29;  Indels    0;  Gaps    0;

Qy          1 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGAGGCAGAGGTTGCAGTG 60
              |||||||||||||||||||| || |||||| || ||||||| |||||| ||| ||||||||
Db      15588 AGCTACTCAGGAGGCTGAGGCAGGAGAATGGCATGAACCCAGGAGGCGGAGCTTGCAGTG 15529

Qy         61 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 120
              |||||||||||  ||||||  |||||| |||||||||||| ||||| ||||||  ||||||
Db      15528 AGCCGAGATCATGCCACTGCACTCCAACCAGCCTGGGCGACAGAGCGAGACTCTGTCTCA 15469

Qy        121 AAAAAAAAAATCGTTACAATTTATGGTGGATTACT 155
              ||||||||||     | ||   | |  || | | |
Db      15468 AAAAAAAAAAAAAAAAAAAAAAGAGGCAGGCTAAGT 15434


RESULT 14
US-10-085-117-148/c
; Sequence 148, Application US/10085117
; Publication No. US20030232334A1
; GENERAL INFORMATION:
;  APPLICANT: Morris, David W.
;  APPLICANT:  Engelhard, Eric K.
;  TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
;  FILE REFERENCE: 529452000121
;  CURRENT APPLICATION NUMBER: US/10/085,117
;  CURRENT FILING DATE:  2002-02-27
;  PRIOR APPLICATION NUMBER: US 09/798,586
;  PRIOR FILING DATE: 2001-03-02
;  NUMBER OF SEQ ID NOS: 361
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 148
;   LENGTH: 52899
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: variation
;   LOCATION: (1)...(52899)
;   OTHER INFORMATION: n = any nucleotide
US-10-085-117-148

  Query Match             12.4%;  Score 107.6;  DB 17;  Length 52899;
  Best Local Similarity   89.2%;  Pred. No. 1.9e-21;
  Matches  116;  Conservative    0;  Mismatches   14;  Indels    0;  Gaps    0;

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Db      49315 AGCTACTCGGGAGGCTGAGGCAGGAGAATGGCTTGAACCCGGAAGGCGGAGCTTGCAGTG 49256

Qy         61 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 120
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Qy        121 AAAAAAAAAA 130
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; Sequence 453, Application US/10104047
; Publication No. US20030236392A1
; GENERAL INFORMATION:
;  APPLICANT: HELIX RESEARCH INSTITUTE
;  TITLE OF INVENTION: No. US20030236392A1el full length cDNA
;  FILE REFERENCE: H1-A0105
;  CURRENT APPLICATION NUMBER: US/10/104,047
;  CURRENT FILING DATE:  2002-03-25
;  PRIOR APPLICATION NUMBER:
;  PRIOR FILING DATE:
;  NUMBER OF SEQ ID NOS: 4096
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 453
;   LENGTH: 2275
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-104-047-453

  Query Match             12.2%;  Score 106.2;  DB 17;  Length 2275;
  Best Local Similarity   83.9%;  Pred. No. 9.1e-22;
  Matches  120;  Conservative    0;  Mismatches   23;  Indels    0;  Gaps    0;

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              |||||||  |||||||||| ||  ||||| |  ||||||| |||||||||| ||||||||
Db       1535 AGCTACTTGGGAGGCTGAGGCAGAAGAATGGTGTGAACCCAGGAGGCAGAGCTTGCAGTG 1476

Qy         61 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 120
              ||||||||||  ||||||  |||||||||||||||||| | |||||||||||||||||||
Db       1475 AGCCGAGATCGTGCCACTGCACTCCATCCAGCCTGGGCAACAGAGCAAGACTCCGTCTCA 1416

Qy        121 AAAAAAAAAATCGTTACAATTTA 143
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Db       1415 AAATAAATAATAATAATAATTAA 1393


Search completed: August 16, 2005, 21:18:54
Job time : 728 secs
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GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: August 16, 2005, 17:54:26 ; Search time 196 Seconds
(without alignments)
7238.020 Million cell updates/sec

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Perfect score: 867
Sequence: 1 agctactcaggaggctgaga.....ccctaactgagaagggcgta 867

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
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5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	848.6	97.9	2420	1	US-08-330-123A-3	Sequence 3, Appli
	2	848.6	97.9	2420	3	US-09-580-517-3	Sequence 3, Appli
	3	848.6	97.9	2426	1	US-08-482-115B-3	Sequence 3, Appli
	4	848.6	97.9	2426	2	US-08-660-678A-3	Sequence 3, Appli
	5	848.6	97.9	2426	2	US-08-472-802C-4	Sequence 4, Appli
	6	848.6	97.9	2426	2	US-08-714-482-1	Sequence 1, Appli
	7	848.6	97.9	2426	3	US-08-998-443-3	Sequence 3, Appli
	8	848.6	97.9	2426	3	US-09-060-523-3	Sequence 3, Appli
	9	848.6	97.9	2426	4	US-09-057-351-3	Sequence 3, Appli
	10	834.6	96.3	2425	2	US-08-485-778-1	Sequence 1, Appli
	11	834.6	96.3	2425	3	US-08-520-550A-1	Sequence 1, Appli
	12	334	38.5	981	2	US-08-714-482-2	Sequence 2, Appli
	13	333	38.4	981	2	US-08-710-249-5	Sequence 5, Appli
	14	333	38.4	981	3	US-09-220-157A-5	Sequence 5, Appli
	15	332.4	38.3	981	2	US-08-770-565-1	Sequence 1, Appli
	16	332.4	38.3	981	2	US-08-833-377-1	Sequence 1, Appli
	17	332.4	38.3	981	3	US-08-838-545-22	Sequence 22, Appl
	18	332.4	38.3	981	3	US-09-349-532-22	Sequence 22, Appl
	19	110.8	12.8	601	4	US-09-949-016-73377	Sequence 73377, A
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	21	110.8	12.8	174030	4	US-09-949-016-13880	Sequence 13880, A
c	22	109.4	12.6	601	4	US-09-949-016-87488	Sequence 87488, A
c	23	109.4	12.6	670689	4	US-09-949-016-12505	Sequence 12505, A
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	27	107.6	12.4	601	4	US-09-949-016-204713	Sequence 204713,
	28	107.6	12.4	50530	4	US-09-949-016-12163	Sequence 12163, A
	29	107.6	12.4	50536	4	US-09-949-016-17526	Sequence 17526, A
	30	107	12.3	134140	4	US-09-949-016-12672	Sequence 12672, A
	31	107	12.3	134241	4	US-09-949-016-12424	Sequence 12424, A
	32	107	12.3	134242	4	US-09-949-016-15813	Sequence 15813, A
	33	107	12.3	134242	4	US-09-949-016-15814	Sequence 15814, A
	34	107	12.3	134242	4	US-09-949-016-15815	Sequence 15815, A
	35	106	12.2	601	4	US-09-949-016-143018	Sequence 143018,
	36	106	12.2	601	4	US-09-949-016-143019	Sequence 143019,
c	37	106	12.2	19601	4	US-09-949-016-15629	Sequence 15629, A
c	38	106	12.2	265038	4	US-09-949-016-15779	Sequence 15779, A
c	39	105	12.1	601	4	US-09-949-016-55951	Sequence 55951, A
c	40	105	12.1	601	4	US-09-949-016-55952	Sequence 55952, A
c	41	105	12.1	601	4	US-09-949-016-55953	Sequence 55953, A
	42	105	12.1	25111	4	US-09-949-016-12435	Sequence 12435, A
	43	105	12.1	25111	4	US-09-949-016-13944	Sequence 13944, A
	44	105	12.1	53442	4	US-09-949-016-11921	Sequence 11921, A
	45	105	12.1	53453	4	US-09-949-016-13370	Sequence 13370, A

ALIGNMENTS

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RESULT 1
US-08-330-123A-3
; Sequence 3, Application US/08330123A
; Patent No. 5583016
;  GENERAL INFORMATION:
;    APPLICANT:  VILLEPONTEAU, Bryant
;    APPLICANT:  FENG, Junli
;    APPLICANT:  FUNK, Walter
;    APPLICANT:  ANDREWS, William H.
;    TITLE OF INVENTION:  HUMAN TELOMERASE
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend Khourie and Crew
;      STREET:  379 Lytton Avenue
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  US
;      ZIP:  94301
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/330,123A
;      FILING DATE:  27-OCT-1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/272,102
;      FILING DATE:  07-JUL-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Smith, William M
;      REGISTRATION NUMBER:  30,223
;      REFERENCE/DOCKET NUMBER:  15389-000810
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 326-2400
;      TELEFAX:  (415) 326-2422
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2420 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-330-123A-3

  Query Match            97.9%;  Score 848.6;  DB 1;  Length 2420;
  Best Local Similarity  99.4%;  Pred. No. 1.6e-274;
  Matches  862;  Conservative    0;  Mismatches    4;  Indels    1;  Gaps    1;
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Qy          1 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGAGGCAGAGGTTGCAGTG 60
              ||||||||||||||||||||||||||||||||||||||||||| ||||||||||||||||
Db        662 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGA-GCAGAGGTTGCAGTG 720

Qy         61 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        841 CAGCACTACTTTAAAGCAAAGTCAATGATTGAAACGCCTTTCTTTCCTAATAAAAGGGAG 900

Qy        241 ATTCAGTCCTTAAGATTAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        901 ATTCAGTCCTTAAGATTAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA 960

Qy        301 AGGAGAAGCTGGAGAAGGCATTCTAAGGAAAAAGGGGCAGGGTTGGAACTCGGACGCATC 360
              |||||| |||||||||||||||||||| || |||||||||| ||||||||||||||||||
Db        961 AGGAGAGGCTGGAGAAGGCATTCTAAGGAGAAGGGGGCAGGGTAGGAACTCGGACGCATC 1020

Qy        361 CCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTGCTGCCTGGGAATCTATTTTCACAA 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy        421 AGTTCTCCAAAAAATGTGATGATCAAAACTAGGAATTAGTGTTCTGTGTCTTAGGCCCTA 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy        481 AAATCTTCCTGTGAATTCCATTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGA 540
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1141 AAATCTTCCTGTGAATTCCATTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGA 1200

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Db       1201 GGATAGAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGGTCGGAAG 1260

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              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1261 TAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATGGCCGGAA 1320

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Db       1321 ATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTCTCACGAG 1380

Qy        721 AGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTATAAGCCGA 780
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RESULT 2
US-09-580-517-3
; Sequence 3, Application US/09580517
; Patent No. 6320039
;   GENERAL INFORMATION:
;        APPLICANT: VILLEPONTEAU, Bryant
;                   FENG, Junli
;                   FUNK, Walter
;                   ANDREWS, William H.
;        TITLE OF INVENTION: HUMAN TELOMERASE
;        NUMBER OF SEQUENCES: 25
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Townsend and Townsend Khourie and Crew
;             STREET: 379 Lytton Avenue
;             CITY: Palo Alto
;             STATE: California
;             COUNTRY: US
;             ZIP: 94301
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/580,517
;             FILING DATE: 25-May-2000
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/330,123
;             FILING DATE: <Unknown>
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Smith, William M
;             REGISTRATION NUMBER: 30,223
;             REFERENCE/DOCKET NUMBER: 15389-000810
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 326-2400
;             TELEFAX: (415) 326-2422
;   INFORMATION FOR SEQ ID NO: 3:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 2420 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA (genomic)
;        SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-580-517-3

  Query Match             97.9%;  Score 848.6;  DB 3;  Length 2420;
  Best Local Similarity   99.4%;  Pred. No. 1.6e-274;
  Matches  862;  Conservative    0;  Mismatches    4;  Indels    1;  Gaps    1;

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Db        961 AGGAGAGGCTGGAGAAGGCATTCTAAGGAGAAGGGGGCAGGGTAGGAACTCGGACGCATC 1020

Qy        361 CCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTGCTGCCTGGGAATCTATTTTCACAA 420
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Db       1081 AGTTCTCCAAAAAATGTGATGATCAAAACTAGGAATTAGTGTTCTGTGTCTTAGGCCCTA 1140

Qy        481 AAATCTTCCTGTGAATTCCATTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGA 540
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Db       1141 AAATCTTCCTGTGAATTCCATTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGA 1200

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Db       1201 GGATAGAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGGTCGGAAG 1260

Qy        601 TAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATGGCCGGAA 660
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Db       1261 TAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATGGCCGGAA 1320

Qy        661 ATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTCTCACGAG 720
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1321 ATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTCTCACGAG 1380

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Db       1381 AGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTATAAGCCGA 1440

Qy        781 CTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTT 840
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Db       1441 CTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTT 1500

Qy        841 TGTCTAACCCTAACTGAGAAGGGCGTA 867
              |||||||||||||||||||||||||||
Db       1501 TGTCTAACCCTAACTGAGAAGGGCGTA 1527


RESULT 3
US-08-482-115B-3
; Sequence 3, Application US/08482115B
; Patent No. 5776679
; GENERAL INFORMATION:
;   APPLICANT:  Villeponteau, Bryant
;   APPLICANT:  Feng, Junli
;   APPLICANT:  Funk, Walter
;   APPLICANT:  Andrews, William H.
;   TITLE OF INVENTION:  Assays for the RNA Component of Human
;   TITLE OF INVENTION:  Telomerase
;   NUMBER OF SEQUENCES:  40
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  Townsend and Townsend and Crew LLP
;     STREET:  Two Embarcadero Center, Eighth Floor
;     CITY:  San Francisco
;     STATE:  California
;     COUNTRY:  USA
;     ZIP:  94111-3834
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  Floppy disk
;     COMPUTER:  IBM PC compatible
;     OPERATING SYSTEM:  PC-DOS/MS-DOS
;     SOFTWARE:  PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER:  US/08/482,115B
;     FILING DATE:  07-JUN-1995
;     CLASSIFICATION:  435
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 08/272,102
;     FILING DATE:  07-JUL-1994
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 08/330,123
;     FILING DATE:  27-OCT-1994
;   ATTORNEY/AGENT INFORMATION:
;     NAME:  Storella, John R.
;     REGISTRATION NUMBER:  32,944
;     REFERENCE/DOCKET NUMBER:  015389-000830US
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE:  (415) 576-0200
;     TELEFAX:  (415) 576-0300
; INFORMATION FOR SEQ ID NO:  3:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH:  2426 base pairs
;     TYPE:  nucleic acid
;     STRANDEDNESS:  single
;     TOPOLOGY:  linear
;   MOLECULE TYPE:  DNA (genomic)
US-08-482-115B-3

  Query Match             97.9%;  Score 848.6;  DB 1;  Length 2426;
  Best Local Similarity   99.4%;  Pred. No. 1.6e-274;
  Matches  862;  Conservative    0;  Mismatches    4;  Indels    1;  Gaps    1;

Qy          1 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGAGGCAGAGGTTGCAGTG 60
              |||||||||||||||||||||||||||||||||||||||||||||| ||||||||||||||
Db        662 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGA-GCAGAGGTTGCAGTG 720

Qy         61 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 120
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Db        721 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 780

Qy        121 AAAAAAAAAATCGTTACAATTTATGGTGGATTACTCCCCTCTTTTTACCTCATCAAGACA 180
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Db        781 AAAAAAAAAATCGTTACAATTTATGGTGGATTACTCCCCTCTTTTTACCTCATCAAGACA 840

Qy        181 CAGCACTACTTTAAAGCAAAGTCAATGATTGAAACGCCTTTCTTTCCTAATAAAAGGGAG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        841 CAGCACTACTTTAAAGCAAAGTCAATGATTGAAACGCCTTTCTTTCCTAATAAAAGGGAG 900

Qy        241 ATTCAGTCCTTAAGATTAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA 300
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Db        901 ATTCAGTCCTTAAGATTAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA 960

Qy        301 AGGAGAAGCTGGAGAAGGCATTCTAAGGAAAAAGGGGCAGGGTTGGAACTCGGACGCATC 360
              |||||| |||||||||||||||||||| || |||||||||| ||||||||||||||||||
Db        961 AGGAGAGGCTGGAGAAGGCATTCTAAGGAGAAGGGGGCAGGGTAGGAACTCGGACGCATC 1020

Qy        361 CCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTGCTGCCTGGGAATCTATTTTCACAA 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1021 CCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTGCTGCCTGGGAATCTATTTTCACAA 1080

Qy        421 AGTTCTCCAAAAAAATGTGATGATGATCAAAACTAGGAATTAGTGTTCTGTGTCTTAGGCCCTA 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1081 AGTTCTCCAAAAAAATGTGATGATCAAAACTAGGAATTAGTGTTCTGTGTCTTAGGCCCTA 1140

Qy        481 AAATCTTCCTGTGAATTCCATTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGA 540
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1141 AAATCTTCCTGTGAATTCCATTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGA 1200

Qy        541 GGATAGAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGGTCGGAAG 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1201 GGATAGAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGGTCGGAAG 1260

Qy        601 TAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATGGCCGGAA 660
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1261 TAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATGGCCGGAA 1320

Qy        661 ATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTCTCACGAG 720
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1321 ATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTCTCACGAG 1380

Qy        721 AGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTATAAGCCGA 780
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Db       1381 AGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTATAAGCCGA 1440

Qy        781 CTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTT 840
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1441 CTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTT 1500

Qy        841 TGTCTAACCCTAACTGAGAAGGGCGTA 867
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Db       1501 TGTCTAACCCTAACTGAGAAGGGCGTA 1527


RESULT 4
US-08-660-678A-3
; Sequence 3, Application US/08660678A
; Patent No. 5837857
```

```
;  GENERAL INFORMATION:
;    APPLICANT:  Villeponteau, Bryant
;    APPLICANT:  Feng, Junli
;    APPLICANT:  Funk, Walter
;    APPLICANT:  Andrews, William H.
;    TITLE OF INVENTION:  Mammalian Telomerase
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/660,678A
;      FILING DATE:  05-JUN-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/330,123
;      FILING DATE:  27-OCT-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/272,102
;      FILING DATE:  07-JUL-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Storella, John R.
;      REGISTRATION NUMBER:  32,944
;      REFERENCE/DOCKET NUMBER:  015389-000811US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2426 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-660-678A-3

  Query Match             97.9%;  Score 848.6;  DB 2;  Length 2426;
  Best Local Similarity   99.4%;  Pred. No. 1.6e-274;
  Matches  862;  Conservative    0;  Mismatches    4;  Indels    1;  Gaps    1;

Qy          1 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGAGGCAGAGGTTGCAGTG 60
              ||||||||||||||||||||||||||||||||||||||||||| ||||||||||||||||
Db        662 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGA-GCAGAGGTTGCAGTG 720

Qy         61 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        721 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 780

Qy        121 AAAAAAAAAATCGTTACAATTTATGGTGGATTACTCCCCTCTTTTTACCTCATCAAGACA 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        781 AAAAAAAAAATCGTTACAATTTATGGTGGATTACTCCCCTCTTTTTACCTCATCAAGACA 840

Qy        181 CAGCACTACTTTAAAGCAAAGTCAATGATTGAAACGCCTTTCTTTCCTAATAAAAGGGAG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        841 CAGCACTACTTTAAAGCAAAGTCAATGATTGAAACGCCTTTCTTTCCTAATAAAAGGGAG 900

Qy        241 ATTCAGTCCTTAAGATTAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        901 ATTCAGTCCTTAAGATTAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA 960

Qy        301 AGGAGAAGCTGGAGAAGGCATTCTAAGGAAAAAGGGGCAGGGTTGGAACTCGGACGCATC 360
              |||||| |||||||||!|||||||||||| || |||||||||| ||||||||||||||||
Db        961 AGGAGAGGCTGGAGAAGGCATTCTAAGGAGAAGGGGGCAGGGTAGGAACTCGGACGCATC 1020

Qy        361 CCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTGCTGCCTGGGAATCTATTTTCACAA 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1021 CCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTGCTGCCTGGGAATCTATTTTCACAA 1080

Qy        421 AGTTCTCCAAAAAAATGTGATGATCAAAACTAGGAATTAGTGTTCTGTGTCTTAGGCCCTA 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1081 AGTTCTCCAAAAAAATGTGATGATCAAAACTAGGAATTAGTGTTCTGTGTCTTAGGCCCTA 1140

Qy        481 AAATCTTCCTGTGAATTCCATTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGA 540
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1141 AAATCTTCCTGTGAATTCCATTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGA 1200

Qy        541 GGATAGAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGGTCGGAAG 600
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Db       1201 GGATAGAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGGTCGGAAG 1260

Qy        601 TAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATGGCCGGAA 660
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1261 TAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATGGCCGGAA 1320

Qy        661 ATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTCTCACGAG 720
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Db       1321 ATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTCTCACGAG 1380

Qy        721 AGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTATAAGCCGA 780
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Db       1381 AGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTATAAGCCGA 1440

Qy        781 CTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTT 840
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Db       1441 CTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTT 1500

Qy        841 TGTCTAACCCTAACTGAGAAGGGCGTA 867
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Db       1501 TGTCTAACCCTAACTGAGAAGGGCGTA 1527


RESULT 5
US-08-472-802C-4
; Sequence 4, Application US/08472802C
; Patent No. 5958680
;  GENERAL INFORMATION:
;    APPLICANT:  Villeponteau, Bryant
;    APPLICANT:  Feng, Junli
;    APPLICANT:  Andrews, William H.
;    TITLE OF INVENTION:  Mammalian Telomerase
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/472,802C
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/272,102
;      FILING DATE:  07-JUL-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/330,123
;      FILING DATE:  27-OCT-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Smith, William M.
;      REGISTRATION NUMBER:  30,223
;      REFERENCE/DOCKET NUMBER:  15389-000820
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;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2426 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-472-802C-4

  Query Match             97.9%;  Score 848.6;  DB 2;  Length 2426;
  Best Local Similarity   99.4%;  Pred. No. 1.6e-274;
  Matches  862;  Conservative    0;  Mismatches    4;  Indels    1;  Gaps    1;

Qy          1 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGAGGCAGAGGTTGCAGTG 60
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Db        662 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGA-GCAGAGGTTGCAGTG 720

Qy         61 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 120
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Qy        121 AAAAAAAAAATCGTTACAATTTATGGTGGATTACTCCCCTCTTTTTACCTCATCAAGACA 180
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Db        781 AAAAAAAAAATCGTTACAATTTATGGTGGATTACTCCCCTCTTTTTACCTCATCAAGACA 840

Qy        181 CAGCACTACTTTAAAGCAAAGTCAATGATTGAAACGCCTTTCTTTCCTAATAAAAGGGAG 240
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Db        841 CAGCACTACTTTAAAGCAAAGTCAATGATTGAAACGCCTTTCTTTCCTAATAAAAGGGAG 900

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Db        901 ATTCAGTCCTTAAGATTAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA 960

Qy        301 AGGAGAAGCTGGAGAAGGCATTCTAAGGAAAAAGGGGCAGGGTTGGAACTCGGACGCATC 360
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Db        961 AGGAGAGGCTGGAGAAGGCATTCTAAGGAGAAGGGGGCAGGGTAGGAACTCGGACGCATC 1020

Qy        361 CCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTGCTGCCTGGGAATCTATTTTCACAA 420
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Db       1021 CCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTGCTGCCTGGGAATCTATTTTCACAA 1080

Qy        421 AGTTCTCCAAAAAATGTGATGATCAAAACTAGGAATTAGTGTTCTGTGTCTTAGGCCCTA 480
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Db       1081 AGTTCTCCAAAAAATGTGATGATCAAAACTAGGAATTAGTGTTCTGTGTCTTAGGCCCTA 1140

Qy        481 AAATCTTCCTGTGAATTCCATTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGA 540
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1141 AAATCTTCCTGTGAATTCCATTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGA 1200

Qy        541 GGATAGAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGGTCGGAAG 600
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Db       1201 GGATAGAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGGTCGGAAG 1260

Qy        601 TAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATGGCCGGAA 660
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1261 TAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATGGCCGGAA 1320

Qy        661 ATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTCTCACGAG 720
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1321 ATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTCTCACGAG 1380

Qy        721 AGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTATAAGCCGA 780
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Db       1381 AGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTATAAGCCGA 1440

Qy        781 CTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTT 840
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1441 CTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTT 1500

Qy        841 TGTCTAACCCTAACTGAGAAGGGCGTA 867
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Db       1501 TGTCTAACCCTAACTGAGAAGGGCGTA 1527


RESULT 6
US-08-714-482-1
; Sequence 1, Application US/08714482
; Patent No. 5972605
;  GENERAL INFORMATION:
;    APPLICANT:  Villeponteau, Bryant
;    APPLICANT:  Harley, Calvin
;    TITLE OF INVENTION:  Assays for Regulators of Mammalian
;    TITLE OF INVENTION:  Telomerase Expression
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/714,482
;      FILING DATE:  16-SEP-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/521,634
;      FILING DATE:  31-AUG-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/482,115
;      FILING DATE:  07-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/472,802
;      FILING DATE:  07-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/330,123
;      FILING DATE:  27-OCT-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/272,102
;      FILING DATE:  07-JUL-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Storella, John R.
;      REGISTRATION NUMBER:  32,944
;      REFERENCE/DOCKET NUMBER:  015389-00860US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2426 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  -
;      LOCATION:  1..2426
;      OTHER INFORMATION:  /note= "SauIIIA1-HindIII fragment
;      OTHER INFORMATION:  containing hTR sequences as well as
;      OTHER INFORMATION:  transcription regulatory sequences"
US-08-714-482-1

  Query Match             97.9%;  Score 848.6;  DB 2;  Length 2426;
  Best Local Similarity   99.4%;  Pred. No. 1.6e-274;
  Matches  862;  Conservative    0;  Mismatches    4;  Indels    1;  Gaps    1;

Qy          1 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGAGGCAGAGGTTGCAGTG 60
              ||||||||||||||||||||||||||||||||||||||||||||| ||||||||||||||||
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Db        662 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGA-GCAGAGGTTGCAGTG 720

Qy         61 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 120
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Db        721 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 780

Qy        121 AAAAAAAAAATCGTTACAATTTATGGTGGATTACTCCCCTCTTTTTACCTCATCAAGACA 180
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Db        781 AAAAAAAAAATCGTTACAATTTATGGTGGATTACTCCCCTCTTTTTACCTCATCAAGACA 840

Qy        181 CAGCACTACTTTAAAGCAAAGTCAATGATTGAAACGCCTTTCTTTCCTAATAAAAGGGAG 240
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Db        841 CAGCACTACTTTAAAGCAAAGTCAATGATTGAAACGCCTTTCTTTCCTAATAAAAGGGAG 900

Qy        241 ATTCAGTCCTTAAGATTAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA 300
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Db        901 ATTCAGTCCTTAAGATTAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA 960

Qy        301 AGGAGAAGCTGGAGAAGGCATTCTAAGGAAAAAGGGGCAGGGTTGGAACTCGGACGCATC 360
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Db        961 AGGAGAGGCTGGAGAAGGCATTCTAAGGAGAAGGGGGCAGGGTAGGAACTCGGACGCATC 1020

Qy        361 CCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTGCTGCCTGGGAATCTATTTTCACAA 420
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Db       1021 CCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTGCTGCCTGGGAATCTATTTTCACAA 1080

Qy        421 AGTTCTCCAAAAAATGTGATGATCAAAACTAGGAATTAGTGTTCTGTGTCTTAGGCCCTA 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1081 AGTTCTCCAAAAAATGTGATGATCAAAACTAGGAATTAGTGTTCTGTGTCTTAGGCCCTA 1140

Qy        481 AAATCTTCCTGTGAATTCCATTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGA 540
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1141 AAATCTTCCTGTGAATTCCATTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGA 1200

Qy        541 GGATAGAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGGTCGGAAG 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1201 GGATAGAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGGTCGGAAG 1260

Qy        601 TAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATGGCCGGAA 660
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1261 TAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATGGCCGGAA 1320

Qy        661 ATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTCTCACGAG 720
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1321 ATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTCTCACGAG 1380

Qy        721 AGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTATAAGCCGA 780
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1381 AGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTATAAGCCGA 1440

Qy        781 CTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTT 840
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1441 CTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTT 1500

Qy        841 TGTCTAACCCTAACTGAGAAGGGCGTA 867
              |||||||||||||||||||||||||||
Db       1501 TGTCTAACCCTAACTGAGAAGGGCGTA 1527


RESULT 7
US-08-998-443-3
; Sequence 3, Application US/08998443
; Patent No. 6054575
;  GENERAL INFORMATION:
;    APPLICANT:  Villeponteau, Bryant
;    APPLICANT:  Feng, Junli
;    APPLICANT:  Funk, Walter
;    APPLICANT:  Andrews, William H.
;    TITLE OF INVENTION:  Mammalian Telomerase
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/998,443
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/660,678
;      FILING DATE:  05-JUN-1996
;      APPLICATION NUMBER:  US 08/330,123
;      FILING DATE:  27-OCT-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/272,102
;      FILING DATE:  07-JUL-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Storella, John R.
;      REGISTRATION NUMBER:  32,944
;      REFERENCE/DOCKET NUMBER:  015389-000811US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2426 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-998-443-3

  Query Match             97.9%;  Score 848.6;  DB 3;  Length 2426;
  Best Local Similarity   99.4%;  Pred. No. 1.6e-274;
  Matches  862;  Conservative    0;  Mismatches    4;  Indels    1;  Gaps    1;

Qy          1 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGAGGCAGAGGTTGCAGTG 60
              |||||||||||||||||||||||||||||||||||||||||||| ||||||||||||||||
Db        662 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGA-GCAGAGGTTGCAGTG 720

Qy         61 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        721 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 780

Qy        121 AAAAAAAAAATCGTTACAATTTATGGTGGATTACTCCCCTCTTTTTACCTCATCAAGACA 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        781 AAAAAAAAAATCGTTACAATTTATGGTGGATTACTCCCCTCTTTTTACCTCATCAAGACA 840

Qy        181 CAGCACTACTTTAAAGCAAAGTCAATGATTGAAACGCCTTTCTTTCCTAATAAAAGGGAG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        841 CAGCACTACTTTAAAGCAAAGTCAATGATTGAAACGCCTTTCTTTCCTAATAAAAGGGAG 900

Qy        241 ATTCAGTCCTTAAGATTAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        901 ATTCAGTCCTTAAGATTAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA 960

Qy        301 AGGAGAAGCTGGAGAAGGCATTCTAAGGAAAAAGGGGCAGGGTTGGAACTCGGACGCATC 360
              |||||| |||||||||||||||||||| || |||||||||| |||||||||||||||||
Db        961 AGGAGAGGCTGGAGAAGGCATTCTAAGGAGAAGGGGGCAGGGTAGGAACTCGGACGCATC 1020

Qy        361 CCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTGCTGCCTGGGAATCTATTTTCACAA 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1021 CCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTGCTGCCTGGGAATCTATTTTCACAA 1080

Qy        421 AGTTCTCCAAAAAATGTGATGATCAAAACTAGGAATTAGTGTTCTGTGTCTTAGGCCCTA 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1081 AGTTCTCCAAAAAATGTGATGATCAAAACTAGGAATTAGTGTTCTGTGTCTTAGGCCCTA 1140
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Qy        481 AAATCTTCCTGTGAATTCCATTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGA 540
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Db       1141 AAATCTTCCTGTGAATTCCATTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGA 1200

Qy        541 GGATAGAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGGTCGGAAG 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1201 GGATAGAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGGTCGGAAG 1260

Qy        601 TAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATGGCCGGAA 660
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1261 TAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATGGCCGGAA 1320

Qy        661 ATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTCTCACGAG 720
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1321 ATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTCTCACGAG 1380

Qy        721 AGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTATAAGCCGA 780
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1381 AGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTATAAGCCGA 1440

Qy        781 CTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTT 840
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1441 CTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTT 1500

Qy        841 TGTCTAACCCTAACTGAGAAGGGCGTA 867
              |||||||||||||||||||||||||||
Db       1501 TGTCTAACCCTAACTGAGAAGGGCGTA 1527
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RESULT 8
US-09-060-523-3
; Sequence 3, Application US/09060523
; Patent No. 6258535
;  GENERAL INFORMATION:
;    APPLICANT:  Villeponteau, Bryant
;    APPLICANT:  Peng, Junli
;    APPLICANT:  Funk, Walter
;    APPLICANT:  Andrews, William H.
;    TITLE OF INVENTION:  Mammalian Telomerase
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/060,523
;      FILING DATE:  14-APR-1998
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/660,678
;      FILING DATE:  05-JUN-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/330,123
;      FILING DATE:  27-OCT-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/272,102
;      FILING DATE:  07-JUL-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Storella, John R.
;      REGISTRATION NUMBER:  32,944
;      REFERENCE/DOCKET NUMBER:  015389-000813US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2426 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-09-060-523-3

  Query Match            97.9%;  Score 848.6;  DB 3;  Length 2426;
  Best Local Similarity  99.4%;  Pred. No. 1.6e-274;
  Matches  862;  Conservative    0;  Mismatches    4;  Indels    1;  Gaps    1;

Qy          1 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGAGGCAGAGGTTGCAGTG 60
              ||||||||||||||||||||||||||||||||||||||||||||| ||||||||||||||||
Db        662 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGA-GCAGAGGTTGCAGTG 720

Qy         61 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        721 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 780

Qy        121 AAAAAAAAAATCGTTACAATTTATGGTGGATTACTCCCCTCTTTTTACCTCATCAAGACA 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        781 AAAAAAAAAATCGTTACAATTTATGGTGGATTACTCCCCTCTTTTTACCTCATCAAGACA 840

Qy        181 CAGCACTACTTTAAAGCAAAGTCAATGATTGAAACGCCTTTCTTTCCTAATAAAAGGGAG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        841 CAGCACTACTTTAAAGCAAAGTCAATGATTGAAACGCCTTTCTTTCCTAATAAAAGGGAG 900

Qy        241 ATTCAGTCCTTAAGATTAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        901 ATTCAGTCCTTAAGATTAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA 960

Qy        301 AGGAGAAGCTGGAGAAGGCATTCTAAGGAAAAAGGGGCAGGGTTGGAACTCGGACGCATC 360
              |||||| |||||||||||||||||||| || |||||||||| ||||||||||||||||||
Db        961 AGGAGAGGCTGGAGAAGGCATTCTAAGGAGAAGGGGGCAGGGTAGGAACTCGGACGCATC 1020

Qy        361 CCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTGCTGCCTGGGAATCTATTTTCACAA 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1021 CCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTGCTGCCTGGGAATCTATTTTCACAA 1080

Qy        421 AGTTCTCCAAAAAAATGTGATGATCAAAACTAGGAATTAGTGTTCTGTGTCTTAGGCCCTA 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1081 AGTTCTCCAAAAAAATGTGATGATCAAAACTAGGAATTAGTGTTCTGTGTCTTAGGCCCTA 1140

Qy        481 AAATCTTCCTGTGAATTCCATTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGA 540
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1141 AAATCTTCCTGTGAATTCCATTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGA 1200

Qy        541 GGATAGAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGGTCGGAAG 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1201 GGATAGAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGGTCGGAAG 1260

Qy        601 TAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATGGCCGGAA 660
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1261 TAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATGGCCGGAA 1320

Qy        661 ATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTCTCACGAG 720
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Db       1321 ATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTCTCACGAG 1380

Qy        721 AGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTATAAGCCGA 780
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Db       1381 AGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTATAAGCCGA 1440

Qy        781 CTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTT 840
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Db       1441 CTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTT 1500

Qy        841 TGTCTAACCCTAACTGAGAAGGGCGTA 867
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Db       1501 TGTCTAACCCTAACTGAGAAGGGCGTA 1527
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RESULT 9
US-09-057-351-3
; Sequence 3, Application US/09057351
; Patent No. 6548298
;  GENERAL INFORMATION:
;    APPLICANT:  Villeponteau, Bryant
;    APPLICANT:  Feng, Junli
;    APPLICANT:  Funk, Walter
;    APPLICANT:  Andrews, William H.
;    TITLE OF INVENTION:  Mammalian Telomerase
;    NUMBER OF SEQUENCES:  42
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/057,351
;      FILING DATE:  08-APR-1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/272,102
;      FILING DATE:  07-JUL-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/330,123
;      FILING DATE:  27-OCT-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/472,802
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Storella, John R.
;      REGISTRATION NUMBER:  32,944
;      REFERENCE/DOCKET NUMBER:  015389-000821US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2426 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-09-057-351-3

  Query Match             97.9%;  Score 848.6;  DB 4;  Length 2426;
  Best Local Similarity   99.4%;  Pred. No. 1.6e-274;
  Matches  862;  Conservative    0;  Mismatches    4;  Indels    1;  Gaps    1;

Qy          1 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGAGGCAGAGGTTGCAGTG 60
              ||||||||||||||||||||||||||||||||||||||||||| ||||||||||||||||
Db        662 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGA-GCAGAGGTTGCAGTG 720

Qy         61 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 120
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Db        721 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 780

Qy        121 AAAAAAAAAATCGTTACAATTTATGGTGGATTACTCCCCTCTTTTTACCTCATCAAGACA 180
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Db        781 AAAAAAAAAATCGTTACAATTTATGGTGGATTACTCCCCTCTTTTTACCTCATCAAGACA 840

Qy        181 CAGCACTACTTTAAAGCAAAGTCAATGATTGAAACGCCTTTCTTTCCTAATAAAAGGGAG 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        841 CAGCACTACTTTAAAGCAAAGTCAATGATTGAAACGCCTTTCTTTCCTAATAAAAGGGAG 900

Qy        241 ATTCAGTCCTTAAGATTAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        901 ATTCAGTCCTTAAGATTAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA 960

Qy        301 AGGAGAAGCTGGAGAAGGCATTCTAAGGAAAAAGGGGCAGGGTTGGAACTCGGACGCATC 360
              |||||| |||||||||||||||||||| || |||||||||| ||||||||||||||||||
Db        961 AGGAGAGGCTGGAGAAGGCATTCTAAGGAGAAGGGGGCAGGGTAGGAACTCGGACGCATC 1020

Qy        361 CCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTGCTGCCTGGGAATCTATTTTCACAA 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1021 CCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTGCTGCCTGGGAATCTATTTTCACAA 1080

Qy        421 AGTTCTCCAAAAAATGTGATGATCAAAACTAGGAATTAGTGTTCTGTGTCTTAGGCCCTA 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1081 AGTTCTCCAAAAAATGTGATGATCAAAACTAGGAATTAGTGTTCTGTGTCTTAGGCCCTA 1140

Qy        481 AAATCTTCCTGTGAATTCCATTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGA 540
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1141 AAATCTTCCTGTGAATTCCATTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGA 1200

Qy        541 GGATAGAAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGGTCGGAAG 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1201 GGATAGAAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGGTCGGAAG 1260

Qy        601 TAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATGGCCGGAA 660
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1261 TAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATGGCCGGAA 1320

Qy        661 ATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTCTCACGAG 720
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1321 ATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTCTCACGAG 1380

Qy        721 AGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTATAAGCCGA 780
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1381 AGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTATAAGCCGA 1440

Qy        781 CTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTT 840
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1441 CTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTT 1500

Qy        841 TGTCTAACCCTAACTGAGAAGGGCGTA 867
              ||||||||||||||||||||||||||
Db       1501 TGTCTAACCCTAACTGAGAAGGGCGTA 1527


RESULT 10
US-08-485-778-1
; Sequence 1, Application US/08485778
; Patent No. 5876979
;  GENERAL INFORMATION:
;    APPLICANT:  Andrews, William H.
;    APPLICANT:  Avilion, Ariel Athena
;    APPLICANT:  Feng, Junli
;    APPLICANT:  Funk, Walter
;    APPLICANT:  Greider, Carol
;    APPLICANT:  Marhuenda, Maria Antonia Blasco
;    APPLICANT:  Villeponteau, Bryant
;    TITLE OF INVENTION:  RNA COMPONENT OF TELOMERASE
;    NUMBER OF SEQUENCES:  45
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hamilton, Brook, Smith & Reynolds, P.C.
;      STREET:  Two Militia Drive
;      CITY:  Lexington
;      STATE:  MA
;      COUNTRY:  US
;      ZIP:  02173
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/485,778
;      FILING DATE:  07-JE-1995
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;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/387,524
;      FILING DATE:  13-FEB-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/330,123
;      FILING DATE:  27-OCT-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/272,102
;      FILING DATE:  07-JUL-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Granahan, Patricia
;      REGISTRATION NUMBER:  32,227
;      REFERENCE/DOCKET NUMBER:  CSHL94-05A4
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-861-6240
;      TELEFAX:  617-861-9540
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2425 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-485-778-1

 Query Match             96.3%;  Score 834.6;  DB 2;  Length 2425;
 Best Local Similarity   99.0%;  Pred. No. 8.5e-270;
 Matches  862;  Conservative    0;  Mismatches    4;  Indels    5;  Gaps    2;

Qy          1 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGAGGCAGAGGTTGCAGTG 60
              ||||||||||||||||||||||||||||||||||||||||||| ||||||||||||||||
Db        662 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGA-GCAGAGGTTGCAGTG 720

Qy         61 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        721 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 780

Qy        121 AAAAAAAAAATCGTTACAATTTATGGTGGATTACTCCCCTCTTTTTACCTCATCAAGACA 180
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Db        781 AAAAAAAAAATCGTTACAATTTATGGTGGATTACTCCCCTCTTTTTACCTCATCAAGACA 840

Qy        181 CAGCACTACTTTAAAGCAAAGTCAATGATTGAAACGCCTTTCTTTCCTAATAAAAGGGAG 240
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Db        841 CAGCACTACTTTAAAGCAAAGTCAATGATTGAAACGCCTTTCTTTCCTAATAAAAGGGAG 900

Qy        241 ATTCAGTCCTTAAGATTAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA 300
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Db        901 ATTCAGTCCTTAAGATTAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA 960

Qy        301 AGGAGAAGCTGGAGAAGGCATTCTAAGGAAAAAGGGGCAGGGTTGGAACTCGGACGCATC 360
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Db        961 AGGAGAGGCTGGAGAAGGCATTCTAAGGAGAAGGGGGCAGGGTAGGAACTCGGACGCATC 1020

Qy        361 CCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTGCTGCCTGGGAATCTATTTTCACAA 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1021 CCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTGCTGCCTGGGAATCTATTTTCACAA 1080

Qy        421 AGTTCTCCAAAAAATGTGATGATCAAAACTAGGAATTAGTGTTCTGTGTCTTAGGCCCTA 480
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1081 AGTTCTCCAAAAAATGTGATGATCAAAACTAGGAATTAGTGTTCTGTGTCTTAGGCCCTA 1140

Qy        481 AAATCTTCCTGTGAATTCCATTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGA 540
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1141 AAATCTTCCTGTGAATTCCATTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGA 1200

Qy        541 GGATAGAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGGTCGGAAG 600
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Db       1201 GGATAGAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGGTCGGAAG 1260

Qy        601 TAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATGGCCGGAA 660
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Db       1261 TAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATGGCCGGAA 1320

Qy        661 ATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTCTCACGAG 720
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Db       1321 ATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTCTCACGAG 1380

Qy        721 AGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTATAAGCCGA 780
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1381 AGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTATAAGCCGA 1440

Qy        781 CTCGCCCGGCAGCGCACCGGGTTGC----GGAGGGTGGGCCTGGGAGGGGTGGTGGCCAT 836
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Db       1441 CTCGCCCGGCAGCGCACCGGGTTGCGGAGGGAGGGTGGGCCTGGGAGGGGTGGTGGCCAT 1500

Qy        837 TTTTTGTCTAACCCTAACTGAGAAGGGCGTA 867
              |||||||||||||||||||||||||||||||
Db       1501 TTTTTGTCTAACCCTAACTGAGAAGGGCGTA 1531


RESULT 11
US-08-520-550A-1
; Sequence 1, Application US/08520550A
; Patent No. 6013468
;  GENERAL INFORMATION:
;    APPLICANT:  Andrews, William H.
;    APPLICANT:  Avilion, Ariel A.
;    APPLICANT:  Feng, Junli
;    APPLICANT:  Funk, Walter
;    APPLICANT:  Greider, Carol
;    APPLICANT:  Marhuenda, Maria A. B.
;    APPLICANT:  Villeponteau, Bryant
;    TITLE OF INVENTION:  RNA Component of Telomerase
;    NUMBER OF SEQUENCES:  47
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hamilton, Brook, Smith & Reynolds, P.C.
;      STREET:  Two Militia Drive
;      CITY:  Lexington
;      STATE:  MA
;      COUNTRY:  US
;      ZIP:  02173
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/520,550A
;      FILING DATE:  29-AUG-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/387,524
;      FILING DATE:  13-FEB-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/330,123
;      FILING DATE:  27-OCT-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/272,102
;      FILING DATE:  07-JUL-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Granahan, Patricia
;      REGISTRATION NUMBER:  32,227
;      REFERENCE/DOCKET NUMBER:  CSHL94-05A3B
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-861-6240
;      TELEFAX:  617-861-9540
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2425 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-520-550A-1
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  Query Match           96.3%;  Score 834.6;  DB 3;  Length 2425;
  Best Local Similarity   99.0%;  Pred. No. 8.5e-270;
  Matches  862;  Conservative    0;  Mismatches    4;  Indels    5;  Gaps    2;

Qy          1 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGAGGCAGAGGTTGCAGTG 60
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Db        662 AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGA-GCAGAGGTTGCAGTG 720

Qy         61 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 120
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Db        721 AGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGAAAGAGCAAGACTCCGTCTCA 780

Qy        121 AAAAAAAAAATCGTTACAATTTATGGTGGATTACTCCCCTCTTTTTACCTCATCAAGACA 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        781 AAAAAAAAAATCGTTACAATTTATGGTGGATTACTCCCCTCTTTTTACCTCATCAAGACA 840

Qy        181 CAGCACTACTTTAAAGCAAAGTCAATGATTGAAACGCCTTTCTTTCCTAATAAAAGGGAG 240
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Db        841 CAGCACTACTTTAAAGCAAAGTCAATGATTGAAACGCCTTTCTTTCCTAATAAAAGGGAG 900

Qy        241 ATTCAGTCCTTAAGATTAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        901 ATTCAGTCCTTAAGATTAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA 960

Qy        301 AGGAGAAGCTGGAGAAGGCATTCTAAGGAAAAAGGGGCAGGGTTGGAACTCGGACGCATC 360
              |||||| |||||||||||||||||||||| || |||||||||| ||||||||||||||||
Db        961 AGGAGAGGCTGGAGAAGGCATTCTAAGGAGAAGGGGGCAGGGTAGGAACTCGGACGCATC 1020

Qy        361 CCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTGCTGCCTGGGAATCTATTTTCACAA 420
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1021 CCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTGCTGCCTGGGAATCTATTTTCACAA 1080

Qy        421 AGTTCTCCAAAAAATGTGATGATCAAAACTAGGAATTAGTGTTCTGTGTCTTAGGCCCTA 480
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Db       1081 AGTTCTCCAAAAAATGTGATGATCAAAACTAGGAATTAGTGTTCTGTGTCTTAGGCCCTA 1140

Qy        481 AAATCTTCCTGTGAATTCCATTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGA 540
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Db       1141 AAATCTTCCTGTGAATTCCATTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGA 1200

Qy        541 GGATAGAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGGTCGGAAG 600
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db       1201 GGATAGAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGGTCGGAAG 1260

Qy        601 TAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATGGCCGGAA 660
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Db       1261 TAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATGGCCGGAA 1320

Qy        661 ATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTCTCACGAG 720
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Db       1321 ATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTCTCACGAG 1380

Qy        721 AGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTATAAGCCGA 780
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Db       1381 AGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTATAAGCCGA 1440

Qy        781 CTCGCCCGGCAGCGCACCGGGTTGC----GGAGGGTGGGCCTGGGAGGGGTGGTGGCCAT 836
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Db       1441 CTCGCCCGGCAGCGCACCGGGTTGCGGAGGGAGGGTGGGCCTGGGAGGGGTGGTGGCCAT 1500

Qy        837 TTTTTGTCTAACCCTAACTGAGAAGGGCGTA 867
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Db       1501 TTTTTGTCTAACCCTAACTGAGAAGGGCGTA 1531


RESULT 12
US-08-714-482-2
; Sequence 2, Application US/08714482
; Patent No. 5972605
;  GENERAL INFORMATION:
;    APPLICANT:  Villeponteau, Bryant
;    APPLICANT:  Harley, Calvin
;    TITLE OF INVENTION:  Assays for Regulators of Mammalian
;    TITLE OF INVENTION:  Telomerase Expression
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/714,482
;      FILING DATE:  16-SEP-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/521,634
;      FILING DATE:  31-AUG-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/482,115
;      FILING DATE:  07-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/472,802
;      FILING DATE:  07-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/330,123
;      FILING DATE:  27-OCT-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/272,102
;      FILING DATE:  07-JUL-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Storella, John R.
;      REGISTRATION NUMBER:  32,944
;      REFERENCE/DOCKET NUMBER:  015389-00860US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  981 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  -
;      LOCATION:  1..981
;      OTHER INFORMATION:  /note= "PstI fragment containing hTR
;      OTHER INFORMATION:  sequence"
US-08-714-482-2

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  Best Local Similarity   100.0%;  Pred. No. 1.3e-101;
  Matches  334;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db          1 CTGCAGAGGATAGAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGG 60

Qy        594 TCGGAAGTAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATG 653
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Db         61 TCGGAAGTAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATG 120

Qy        654 GCCGGAAATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTC 713
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 GCCGGAAATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTC 180

Qy        714 TCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTAT 773
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Db        181 TCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTAT 240
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Qy        774 AAGCCGACTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGC 833
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Db        241 AAGCCGACTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGC 300

Qy        834 CATTTTTTGTCTAACCCTAACTGAGAAGGGCGTA 867
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Db        301 CATTTTTTGTCTAACCCTAACTGAGAAGGGCGTA 334


RESULT 13
US-08-710-249-5
; Sequence 5, Application US/08710249
; Patent No. 5858777
;  GENERAL INFORMATION:
;    APPLICANT:  Villeponteau, Bryant
;    APPLICANT:  Feng, Junli
;    APPLICANT:  Andrews, William H.
;    APPLICANT:  Adams, Robert R.
;    TITLE OF INVENTION:  Methods and Reagents for Regulating
;    TITLE OF INVENTION:  Telomere Length and Telomerase Activity
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/710,249
;      FILING DATE:  13-SEP-1996
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/583,808
;      FILING DATE:  05-JAN-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/003,492
;      FILING DATE:  08-SEP-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Storella, John R.
;      REGISTRATION NUMBER:  32,944
;      REFERENCE/DOCKET NUMBER:  015389-001220US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  981 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  misc_RNA
;      LOCATION:  267..715
;      OTHER INFORMATION:  /product= "hTR"
;      OTHER INFORMATION:  /note= "hTR transcript serves as
;      OTHER INFORMATION:  template in the telomerase
;      OTHER INFORMATION:  ribonucleoprotein"
US-08-710-249-5

  Query Match             38.4%;  Score 333;  DB 2;  Length 981;
  Best Local Similarity   99.7%;  Pred. No. 2.8e-101;
  Matches  333;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

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Db          1 CTGCAGAGGATAGAAAAAAGNCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGG 60

Qy        594 TCGGAAGTAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATG 653
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Db         61 TCGGAAGTAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATG 120

Qy        654 GCCGGAAATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTC 713
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Db        121 GCCGGAAATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTC 180

Qy        714 TCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTAT 773
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 TCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTAT 240

Qy        774 AAGCCGACTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGC 833
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Db        241 AAGCCGACTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGC 300

Qy        834 CATTTTTTGTCTAACCCTAACTGAGAAGGGCGTA 867
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Db        301 CATTTTTTGTCTAACCCTAACTGAGAAGGGCGTA 334


RESULT 14
US-09-220-157A-5
; Sequence 5, Application US/09220157A
; Patent No. 6300110
;  GENERAL INFORMATION:
;    APPLICANT:  Villeponteau, Bryant
;    APPLICANT:  Feng, Junli
;    APPLICANT:  Andrews, William H.
;    APPLICANT:  Adams, Robert R.
;    TITLE OF INVENTION:  Methods and Reagents for Regulating
;    TITLE OF INVENTION:  Telomere Length and Telomerase Activity
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/220,157A
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/710,249
;      FILING DATE:  13-SEP-1996
;      APPLICATION NUMBER:  US 08/583,808
;      FILING DATE:  05-JAN-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/003,492
;      FILING DATE:  08-SEP-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Storella, John R.
;      REGISTRATION NUMBER:  32,944
;      REFERENCE/DOCKET NUMBER:  015389-001220US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  981 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
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;    FEATURE:
;      NAME/KEY:  misc_RNA
;      LOCATION:  267..715
;      OTHER INFORMATION:  /product= "hTR"
;      OTHER INFORMATION:  /note= "hTR transcript serves as
;      OTHER INFORMATION:  template in the telomerase
;      OTHER INFORMATION:  ribonucleoprotein"
US-09-220-157A-5

  Query Match             38.4%;  Score 333;  DB 3;  Length 981;
  Best Local Similarity   99.7%;  Pred. No. 2.8e-101;
  Matches  333;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        534 CTGCAGAGGATAGAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGG 593
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Db         61 TCGGAAGTAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATG 120

Qy        654 GCCGGAAATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTC 713
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Qy        714 TCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTAT 773
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 TCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTAT 240

Qy        774 AAGCCGACTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGC 833
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Db        241 AAGCCGACTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGC 300

Qy        834 CATTTTTTGTCTAACCCTAACTGAGAAGGGCGTA 867
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Db        301 CATTTTTTGTCTAACCCTAACTGAGAAGGGCGTA 334


RESULT 15
US-08-770-565-1
  Sequence 1, Application US/08770565
  Patent No. 5846723
  GENERAL INFORMATION:
;    APPLICANT:  Kim, Nam Woo
;    APPLICANT:  Wu, Fred
;    APPLICANT:  Kealey, James T.
;    APPLICANT:  Pruzan, Ronald
;    APPLICANT:  Weinrich, Scott L.
;    TITLE OF INVENTION:  Methods for Detecting the RNA Component of
;    TITLE OF INVENTION:  Telomerase
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  TOWNSEND and TOWNSEND and CREW LLP
;      STREET:  Two Embarcadero Center, 8th Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/770,565
;      FILING DATE:  20-DEC-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Storella, John R.
;      REGISTRATION NUMBER:  32,944
;      REFERENCE/DOCKET NUMBER:  015389-002300US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-576-0200
;      TELEFAX:  415-576-0300
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  981 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-770-565-1

  Query Match             38.3%;  Score 332.4;  DB 2;  Length 981;
  Best Local Similarity   99.7%;  Pred. No. 4.4e-101;
  Matches  333;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        534 CTGCAGAGGATAGAAAAAAGGCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGG 593
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Db          1 CTGCAGAGGATAGAAAAAAGWCCCTCTGATACCTCAAGTTAGTTTCACCTTTAAAGAAGG 60

Qy        594 TCGGAAGTAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATG 653
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 TCGGAAGTAAAGACGCAAAGCCTTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTCATG 120

Qy        654 GCCGGAAATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTC 713
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 GCCGGAAATGGAACTTTAATTTCCCGTTCCCCCCAACCAGCCCGCCCGAGAGAGTGACTC 180

Qy        714 TCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTAT 773
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 TCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTGCGGTCGGCGGCCGCTCCCTTTAT 240

Qy        774 AAGCCGACTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGC 833
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 AAGCCGACTCGCCCGGCAGCGCACCGGGTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGC 300

Qy        834 CATTTTTTGTCTAACCCTAACTGAGAAGGGCGTA 867
              |||||||||||||||||||||||||||||||||
Db        301 CATTTTTTGTCTAACCCTAACTGAGAAGGGCGTA 334


Search completed: August 16, 2005, 18:02:09
Job time : 202 secs
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